# ToKen

Next-Generation MFA
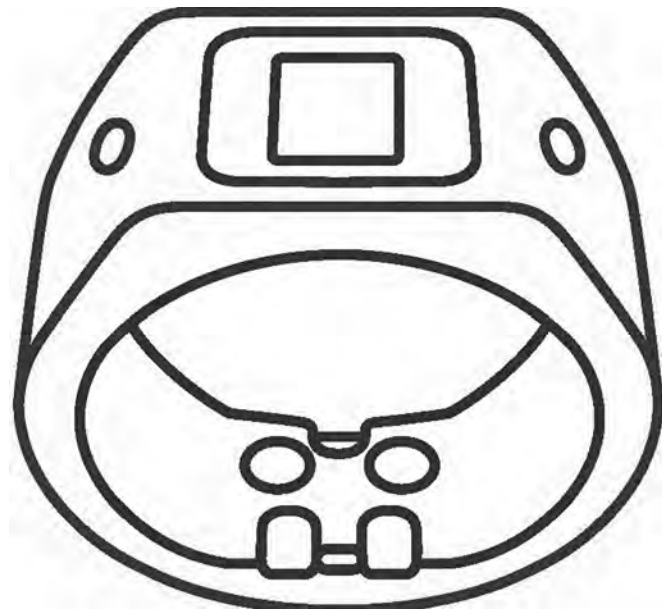for the Strongest Security

# User Guide

Congratulations on choosing the strongest MFA with the greatest user convenience.

Token Ring provides protection against phishing and social engineering, malware attacks including ransomware, and data breaches.
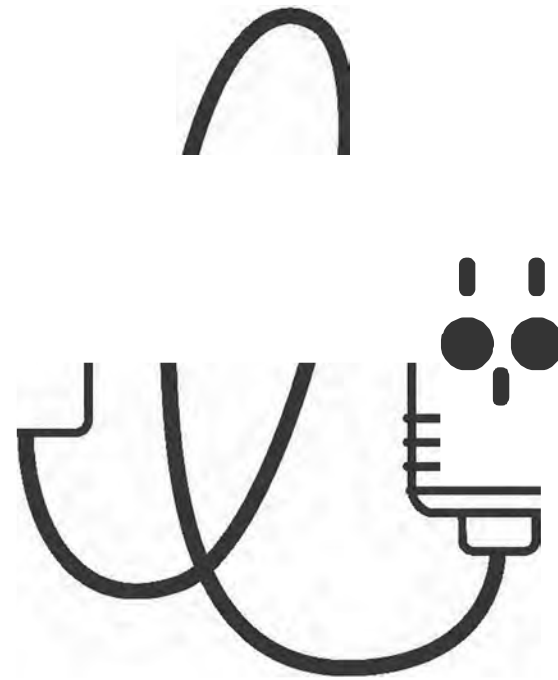
# Table of Contents

# What's in the Box?

**Token Ring**

**Charging Cable**
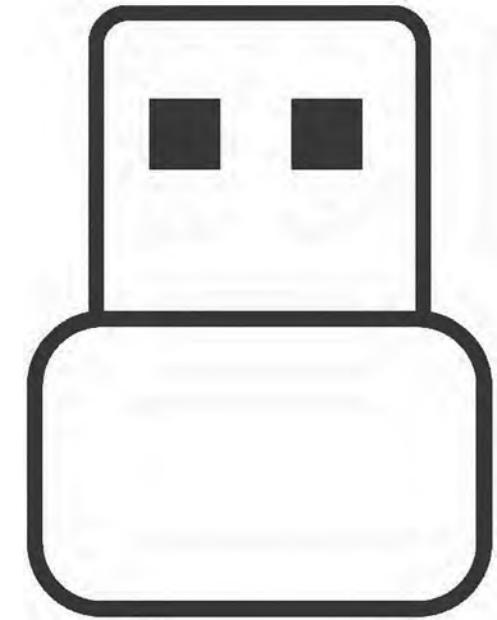
**USB-C to USB-A Adapter**

# Your Token Ring

Secure Element

Battery Charging
Cable Connector

Status Indicator LED

NFC and Bluetooth
Communications

Fingerprint Sensor

Capacitive Touch Bezel
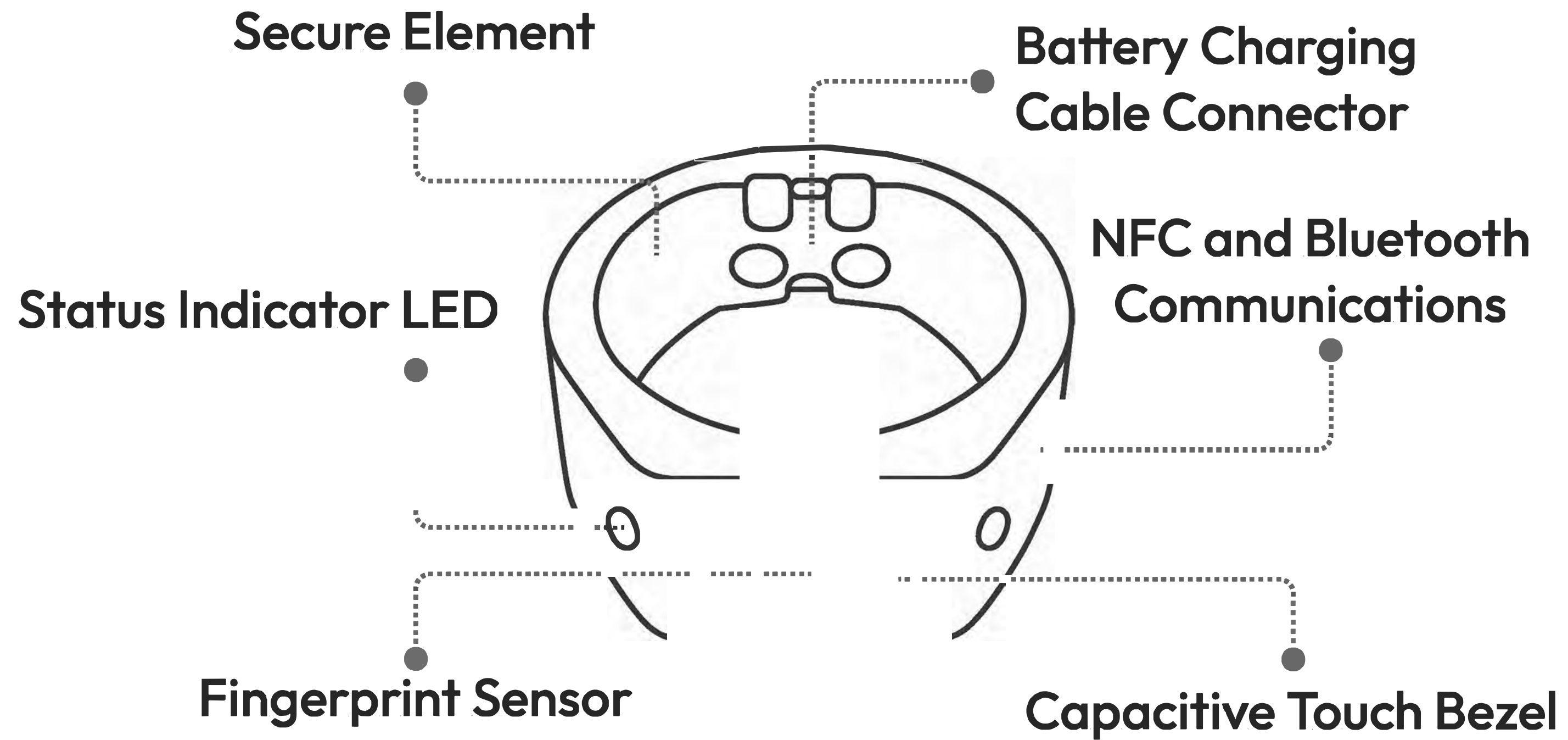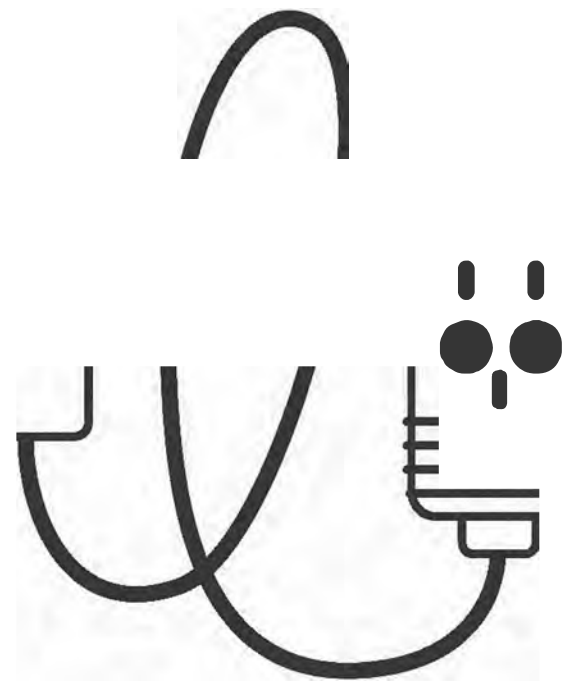
## Charging Cable Setup

Remove the charging cable from the box and plug it into a continuous power source. The USB-C can be plugged in directly or used with the included USB-C to USB-A adapter.
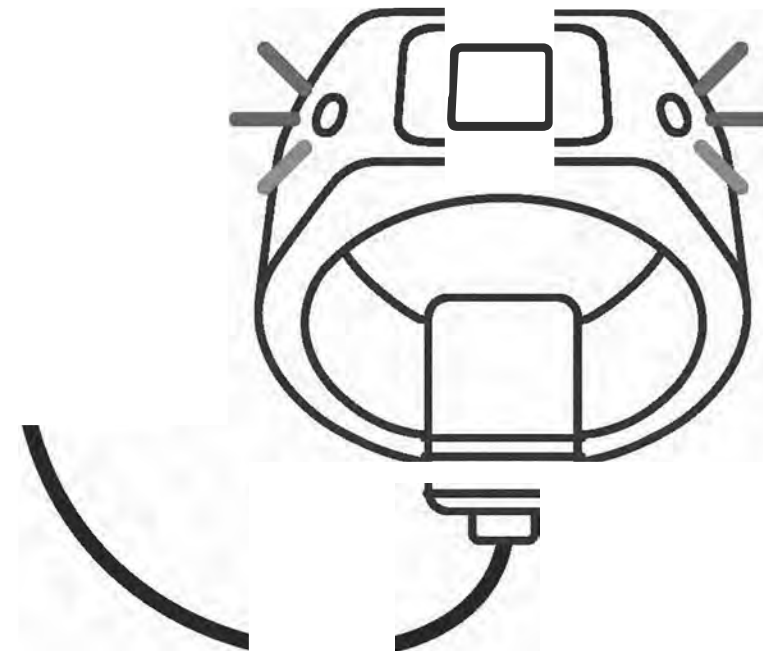
## Connecting the Ring

Remove the Token Ring from the package and connect it to the charging cable. The cable and Ring are keyed to prevent misalignment. The LEDs will display a rainbow pattern when charging begins.

## Locate your PIN

The PIN number is located on the product box and inside the packaging. It can also be derived from the serial number engraved inside the Ring, as seen above.

# Charging the Token Ring



**Initializing**



G — Battery is high

Battery is okay

R — Battery is low

When the Ring is connected to the charging cable, a rainbow pattern will display on the LEDs indicating charging will begin.
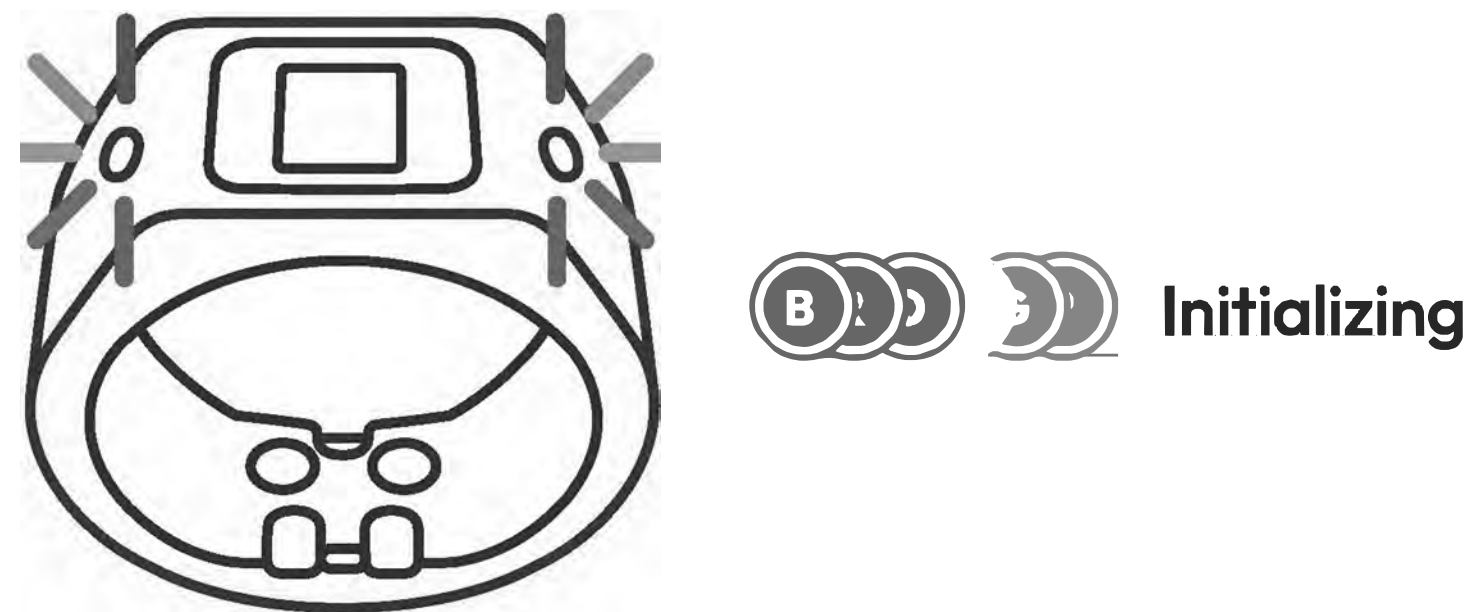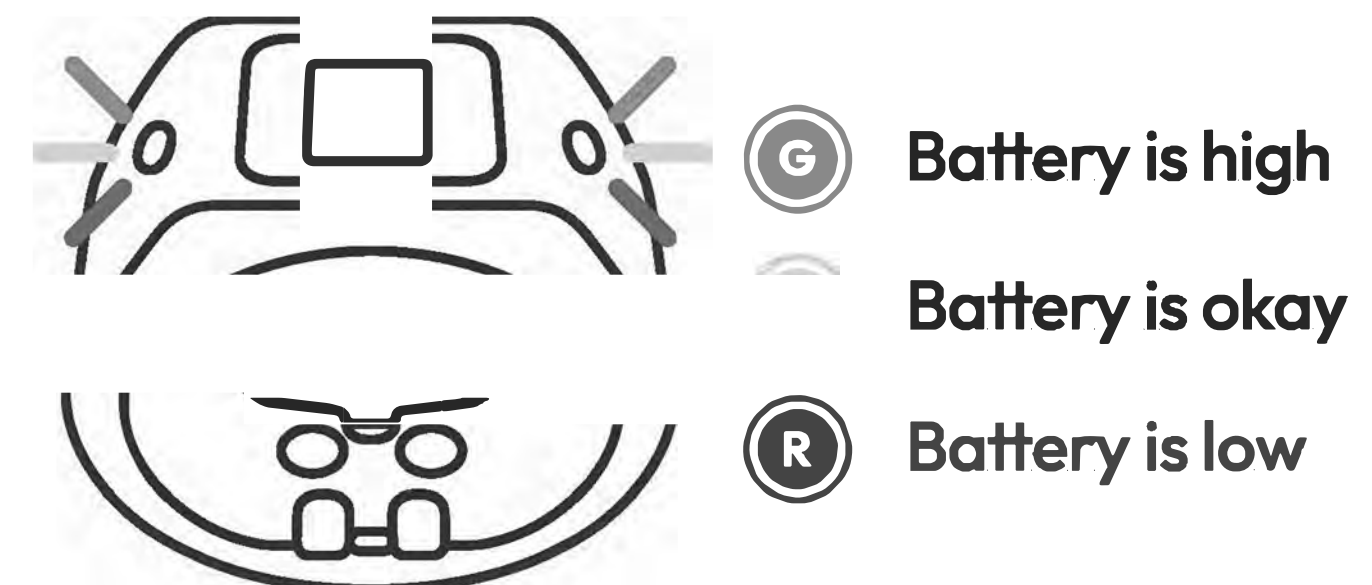
While the Ring is charging, the LEDs will pulse with the battery status color. When the LEDs turn solid green the charge is full and you may continue with first time setup. The Ring fully charges in 90 minutes.

If the rainbow LEDs do not illuminate when the Ring is connected to the charging cable, double check the alignment of the charging cable pins and ensure they align with the grooves in the Ring.

Once your Ring is fully charged and displays solid green LEDs, you are ready to begin the fingerprint enrollment process.

Using your mobile device download the **Token Ring** app, or scan the QR code below.

Mac users – please download the **Token Desktop Utility** from the Mac App Store. See page 10 for more details.

The Token Apps are simple step-by-step guides for setting up and using your Token Ring. For fingerprint enrollment tips and access to the video tutorials, please see the next page.



Android



IOS



Token Desktop Utility

# Fingerprint Registration Tips & Setup Video

## Watch the Setup Tutorial

For optimal fingerprint registration, avoid applying excess pressure to the sensor during scans. Think 'touches' not pressing a button.

It is best to perform fingerprint registration when both your finger and ring are clean, dry, and not overly cold.

If your hands take a lot of abuse due to hobbies try selecting a finger for scanning that is less likely to be damaged.

tokenring.com/setup

# Token Ring and Mac

**Mac does not natively support FIDO authentication over Bluetooth.**

## Token Desktop Utility

### What Is It?
- The Token Desktop Utility provides Mac users with the Bluetooth functionality for FIDO authentication.

- It is also a simple step-by-step guide to setting up and using your Token Ring.

### Getting Started
1. Download the Token Desktop Utility from the Mac App Store.

2. Open the app and accept the Autofill & Passwords permissions presented by the Token Identity Service pop up.

3. Follow the on-screen prompts to complete setup; which includes Bluetooth pairing and fingerprint enrollment.

**Token Desktop Utility**

# How to Authenticate

*HOLD*

x2 (G) = Authenticated

*HOLD*
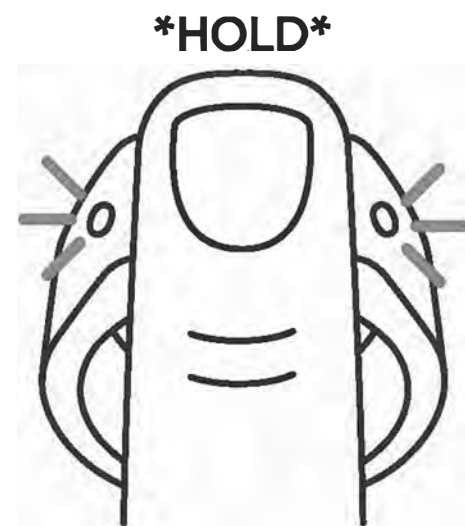
x2 (R) = Authentication Failed

## How to Authenticate

- Double tap the fingerprint sensor
- The LEDs will turn solid white — this means it's ready to scan your fingerprint.
- Place the finger you registered on the sensor.
- When you see two green blinks, you've successfully authenticated.
- The Ring will then pulse purple or blue (NFC or BLE).
- Note: If the Ring does not blink green right away, small adjustments to finger position can be made.

## Seeing Red LEDs?

If the Ring blinks red twice, it did not recognize your fingerprint.

**Try again:**
- Double tap the sensor.
- Adjust your finger position slightly.

**If it fails again:**
- Make sure your finger is clean, dry, and not cold.
- Check that the sensor is clean and dry.

# Switching Authentication Modes

Token Ring supports both NFC and BLE (Bluetooth) for secure wireless communication. The two modes are interchangeable; you have the choice of which you want to use.
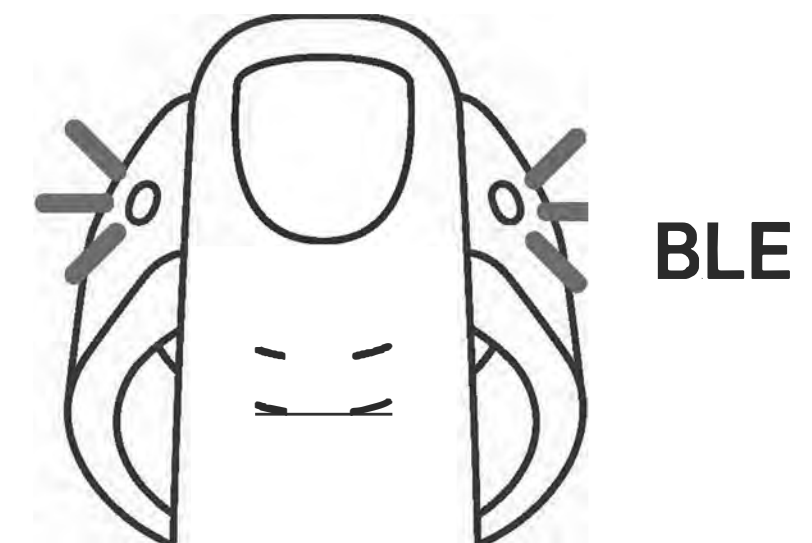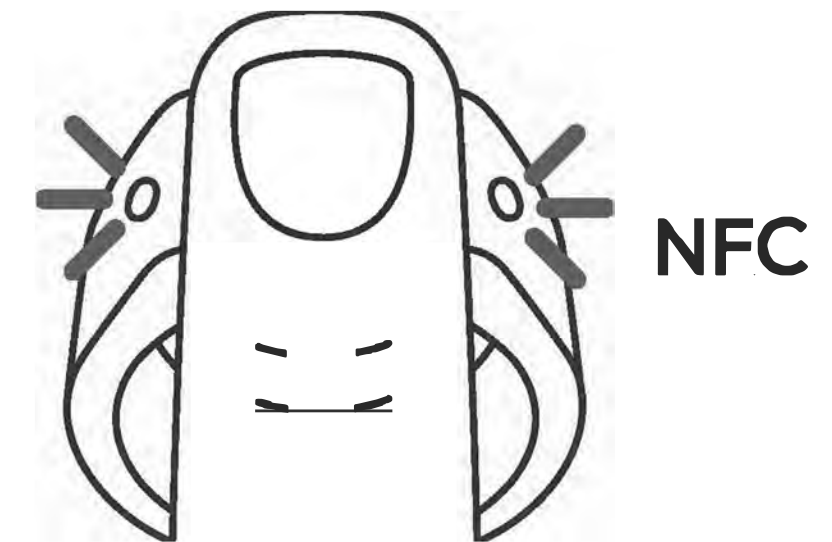
After successful authentication, the Ring will display its current mode with pulsing lights:
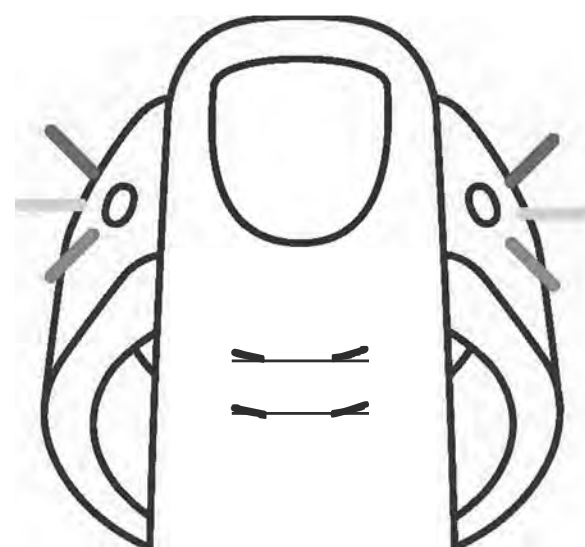
 **NFC**

Purple = NFC

Blue = BLE

**To switch the mode, tap the sensor once.**
The Ring will remember your last used mode and start in that mode at the next authentication.
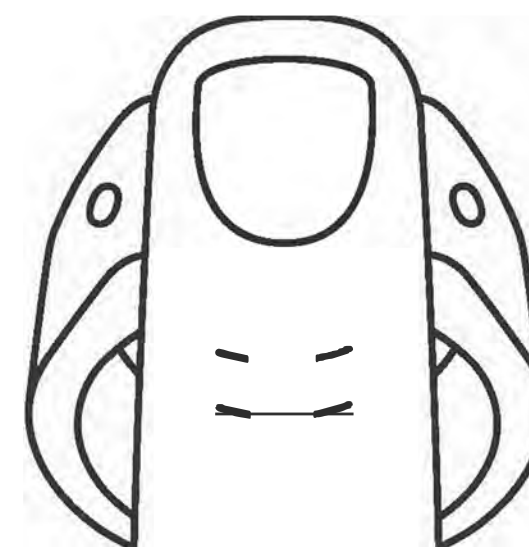
 **BLE**

# Other Tap Gestures

*TAP*

x ① G Y R

## Checking Battery Status

To check your battery status, do a single tap on the fingerprint sensor. The LEDs will illuminate with the corresponding battery status color.

## Cancelling Any Action

Any active function can be canceled by pressing and holding the fingerprint sensor until the LEDs turn off (approximately 1 second).

# Bluetooth Pairing Your Token Ring
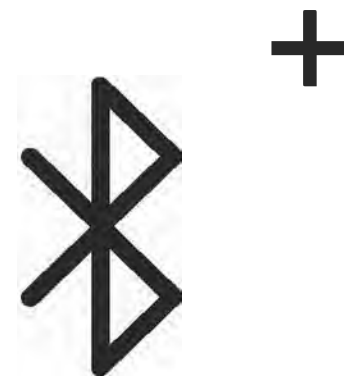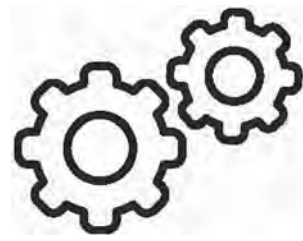
Navigate to the Bluetooth settings on your device.

Windows users: Locate the **Device Settings** section. If "Bluetooth devices discovery" is present, switch Default to "Advanced'.

*Note: If you do not see this section you may continue to the next step.

Mac users: The Token Desktop Utility will perform BLE pairing with your Ring during first time setup (see page 10).

You are now ready to pair your Token Ring.

Select "Add device" > In the pop up window choose "Bluetooth".

Authenticate to your Ring – double tap and scan fingerprint during the solid white LEDs. Pulsing blue LEDs indicate Bluetooth mode, if you see purple LEDs, tap sensor once to switch modes (see page 12).

Once your Ring is in Bluetooth mode, **double tap** the fingerprint sensor to enter pairing mode. Indicated by red/ blue flashing lights.

Select your Ring from the list of available devices, enter your PIN, and click "Connect'.

Note: Your PIN can be found inside the box or derived from the serial number engraved inside the Ring (see page 6).

# Setting Up Token Ring as Your MFA

Secure your online accounts and applications in 3 easy steps
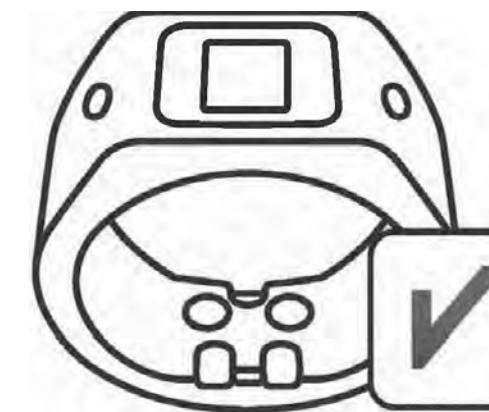
### Step 1

Login to the app or service you wish to secure and verify that it supports the use of FIDO2 security keys.

### Step 2

Navigate to the Account Security settings and find the option to add a security key as your two or multifactor authentication. If security key is not an option, choose passkey.

### Step 3

Follow the on-screen prompts. You may use NFC or BLE to register your Ring.
Note: BLE requires pairing first (see page 14)

Visit tokenring.com/works-with for a full list of supported applications.

# How to Login With Token Ring & BLE

## Choose an App or Service

Go to the login screen.
Make sure your Ring is paired to your device (see page 14) and registered with the service (see page 15). Select the option to login using a security key or passkey - instructions may vary between operating systems.
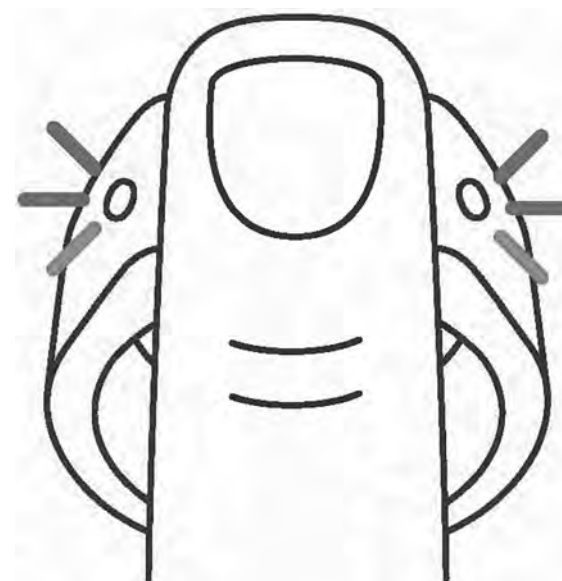
## Logging In With Your Ring

When prompted, single tap the sensor to activate the Ring, this will begin the BLE connection to your device. Follow the on-screen prompt to touch your security key, the Ring will display solid white LEDs, indicating it is ready for fingerprint authentication. Scan your fingerprint.
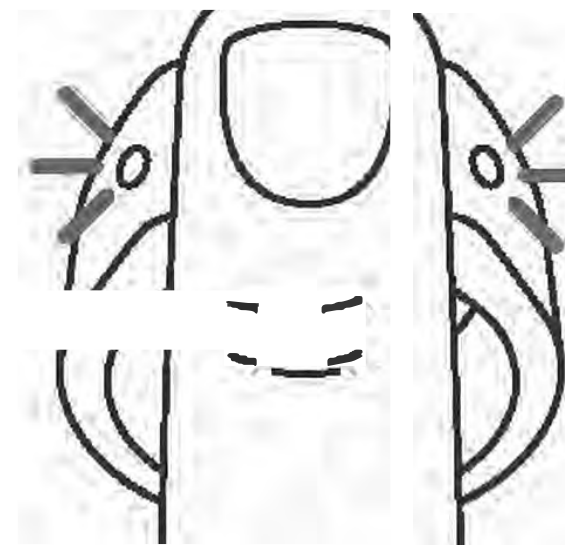
## Successful Authentication

Successful authentication will display two green blinks, you are now securely logged in!
If authentication was not successful, you will be prompted to try again, the Ring will display solid white LEDs for another fingerprint scan.

# How to Login With Token Ring & NFC

NFC

## Enable NFC on Your Device

You may use your device's built-in NFC or connect an external reader.

Be sure NFC communication is enabled in your device settings.

## Activate NFC Mode on the Ring

Authenticate to your Ring by double tapping the sensor and scanning your fingerprint during the solid white LEDs.

Successful authentication will display two green blinks then pulse purple indicating NFC mode. If the pulse is blue, tap once (see page 12 for more details).
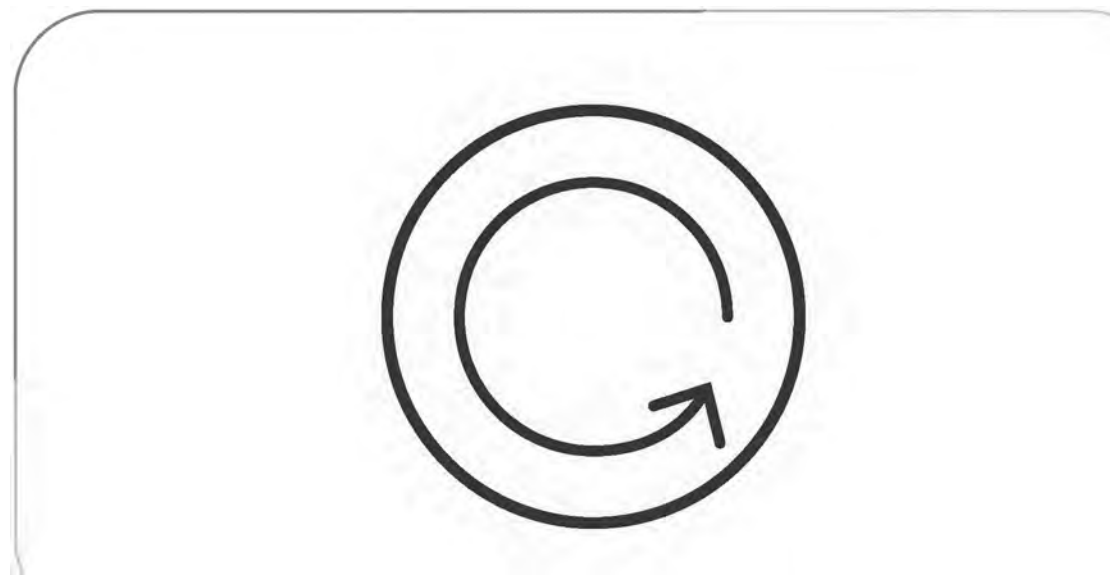
## Complete Login Using NFC

Place the bottom of the Ring very close to or touch the NFC reader for 3–4 seconds. Some readers may beep upon scanning, leave the Ring in place until the login prompt clears.

You are now securely logged in!

# How to Update Your Token Ring

The Token Ring can be easily updated over a secure Bluetooth connection.

## How to Update your Ring:

1. Open the Token App.
2. Locate the Details section.
3. If an update is available, select Update.
4. You will be prompted to place the Ring on the charger and click Let's do it!

- The Token Apps are updated in the same way other applications are; when an update is available it appears in your App store or automatically updates depending on your device settings.

# Extra Token Tips
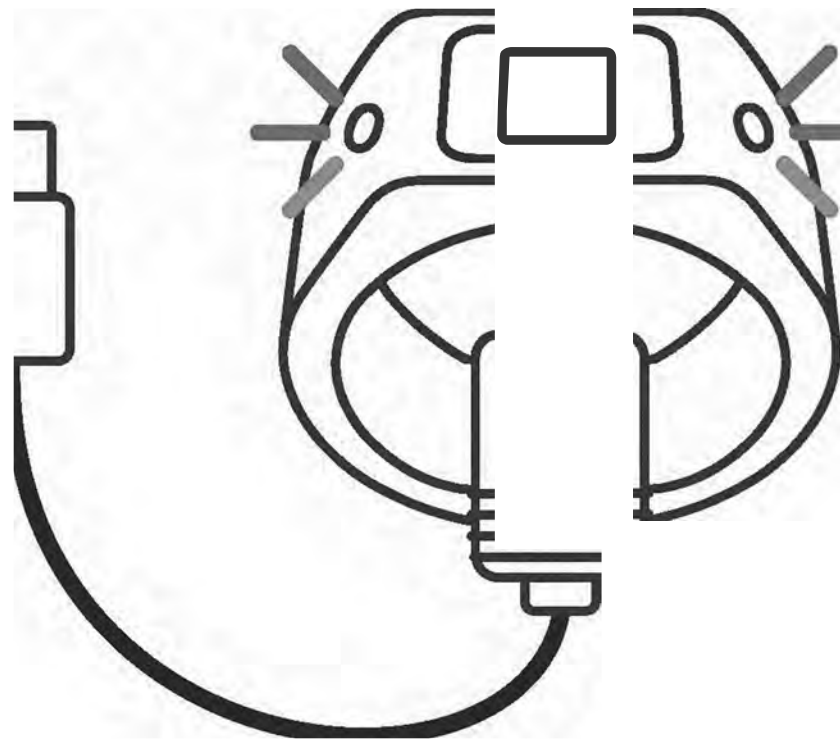
## Using the Ring While Charging

The Token Ring can be used while connected to the charging cable. If the battery is fully drained, it may take a few moments for the Ring to wake up.

## Changing Your Scanned Fingerprint

To use a different finger, at this time you'll need to do a factory reset. Warning! This will erase all stored credentials. Go to Settings > Factory Reset in the mobile app or Utility to begin. See page 9 for fingerprint registration tips.

# Extra Token Tips

## Logging into Multiple Accounts

Token Ring can store up to 100 digital credentials, which can be used with many accounts—personal, work, or managed. Simply set it up as your security key in each application (see page 15).

## Replacing Your Phone or Laptop?

No problem! The Token Ring stores all credentials and biometric data inside its Secure Element. To pair your Ring with a new phone or device, simply download the corresponding Token App and during setup select "Pair a registered device". If your device is lost or inaccessible, you can still use your Ring for authentication.

# Troubleshooting
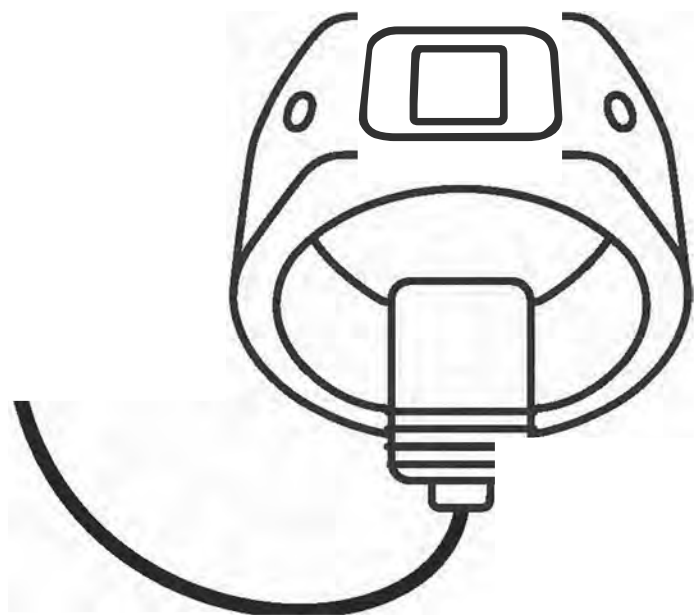
## If the Ring Doesn't Power On

If the LEDs don't rainbow when the Ring is connected to the charger, double check the cable alignment and power source. If sufficient, leave it on the charger for at least 30 minutes, then try again. If the LEDs still don't turn on, please contact support.
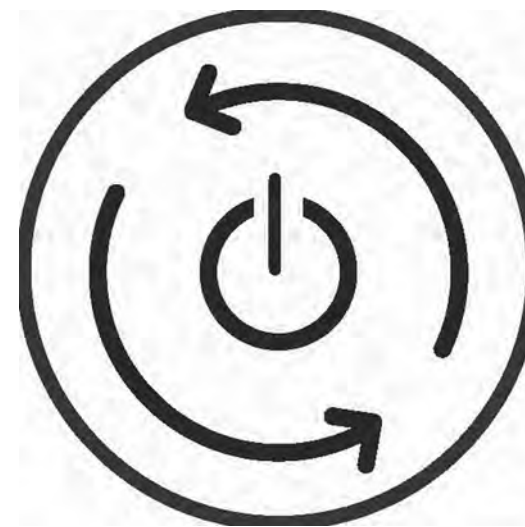
## Repeated Issues or 'Stuck' Ring?

If you're experiencing repeated unexplained issues or your Ring is 'stuck', place it on the charger. The rainbow lights indicate charging has begun, but also performs a 'soft reset' of the Ring.

## Trouble Authenticating

Token Ring scans your finger multiple times in less than a second. If you are consistently failing fingerprint authentication try using a clean cloth to ensure both your finger and the fingerprint sensor are clean, dry, and not overly cold. Also be sure you are using the correct finger.

If further assistance or troubleshooting is needed please visit tokenring.com/support

# Caring for Your Sensor

## The fingerprint sensor works best when it's clean.

- Use the included purple microfiber cloth to wipe the sensor.

- For deeper cleaning, you may use isopropyl alcohol or a small amount of mild hand soap. Dry the ring completely.

- Warning! Do not use ultrasonic cleaners or jewelry-grade solvents - these can damage the sensor and void the warranty.

- For best results, use the ring with clean, dry, and warm hands.
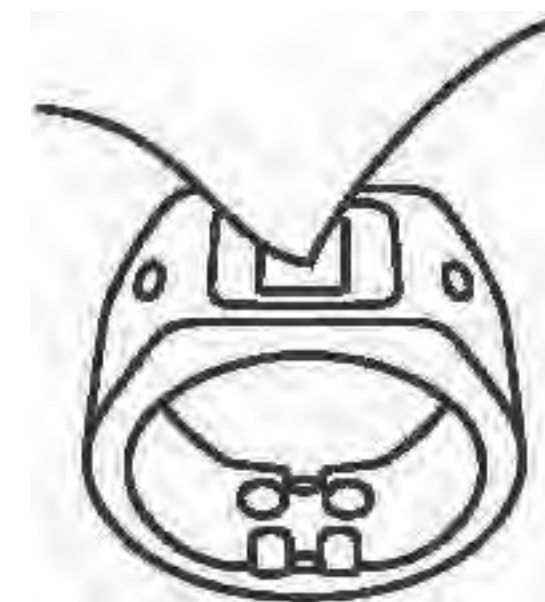
# Protecting Your Ring

- Avoid leaving the Ring exposed to extreme hot or cold environments, such as in a car during the heat of summer or the cold of winter.

- To prevent scratching the finish of the Ring, avoid coarse, rough surfaces (such as brick, sand, concrete) and sharp metal (such as car keys, key chains, other jewelry).
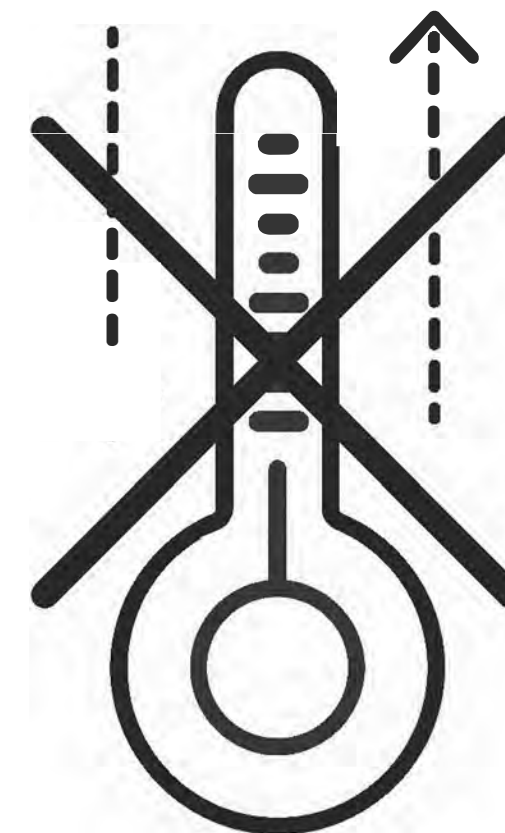
# LED Reference Guide

## Authentication

Waiting for fingerprint    (W)
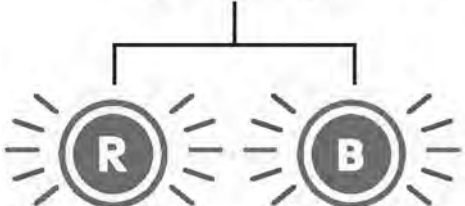
Authenticated    (G) x2

Authentication failed    (R) x2

NFC mode    (P)

BLE mode    (B)

## Other

Battery level    (G) (Y) (R) x1

BLE mode    (B) x2

Bluetooth pairing mode    (R) (B)

# Power Management

## Battery off charger

Battery level high
40-100%

Battery level medium
20-39%

Battery level low
<20%

## Battery on charger

Soft reset/
charging

Battery fully charged

Battery level high

Battery level medium

Battery level low

# Errors

Verification failed

Critical error

x4

Note: The Token App will display the exact battery percentage with a single tap or anytime using BLE.

**If you need further guidance, a refresher on setting up security keys, or you encountered any issues, please contact us:**

Visit our support page: **tokenring.com/support**
Email us at: **support@tokenring.com**
Call us at: **(866) 328-7464** for assistance.

We regularly add additional written and video implementation guides to our support page. Please let us know if your favorite software is missing and we will assist you.

# FCC Regulatory Information

This device (FCC ID: 2AVVU-TOKEN-TR3TBK) complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide rea - sonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause regulatory harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

→ Reorient or relocate the receiving antenna.

→ Increase the separation between the equipment and receiver.

→ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

→ Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this device not expressly approved by Tokenize, Inc could void the user's authority to operate the device. Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

## RF exposure safety

This product is a radio transmitter and receiver. It's designed not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## Responsible party for FCC Compliance:

Tokenize, Inc
4545 East River Road, Suite 310
West Henrietta, NY 14586
585-625-8059
support@tokenring.com

# Token

Next-Generation MFA
for the Strongest Security